AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1.-7. (canceled).

8. (previously presented): Mobile communication terminal equipment for a CDMA

cellular phone system, comprising:

detection means for performing cell detection by detecting scramble codes of a visiting

cell and a neighboring cell;

memory means for storing a scramble code;

control means for controlling to write the scramble codes of the visiting cell and

neighboring cell, detected by said detection means, into said memory means, upon assigning

priorities thereto in detecting operation, in response to user operation; and

measurement means for measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein:

said control means controls said detection means so as to perform cell detection

by preferentially using the scramble codes stored in said memory means,

said control means controls said detection means so as to perform cell detection

by using a plurality of scramble codes, stored in said memory means, in the descending

order of priorities, and

said control means controls the detection means so as to perform cell detection by

using a scramble code other than the scramble codes stored in said memory means when

cell detection cannot be performed by using the scramble codes stored in said memory

means.

9. (currently amended): Equipment according to any one of claims 8, 58, and 59,

wherein said control means controls said detection means so as to perform cell detection by

preferentially using a scramble code stored in the memory means exhibiting a high detection

frequency in the past.

10. (currently amended): Equipment according to claim 8, wherein said control means

controls said detection means so as to perform cell detection by preferentially using a scramble

code stored in the memory means exhibiting a long stay time in the past.

11.-21. (canceled).

22. (previously presented): A control method for cell detection in mobile

communication terminal equipment for a CDMA cellular phone system, comprising:

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a detection step of performing cell detection by detecting scramble codes of a visiting cell

and a neighboring cell;

a storage step of storing the detected scramble codes of the visiting cell and the

neighboring cell in a memory means, upon assigning priorities thereto in detecting operation, in

response to user operation; and

a measurement step of measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein:

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means upon assigning priorities thereto in detecting

operation,

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means,

the detection step comprises performing cell detection by using a plurality of

scramble codes, stored in the memory means, in descending order of priorities, and

the detection step comprises performing cell detection by using a scramble code

other than the scramble codes stored in the memory means when cell detection cannot be

performed by using the scramble codes stored in the memory means.

23. (currently amended): A method according to any one of claims 22, 60, and 61,

wherein the detection step comprises performing cell detection by preferentially using a scramble

code stored in the memory means exhibiting a high detection frequency in the past.

24. (currently amended): A method according to any one of claims 22, 60, and 61,

wherein the detection step comprises performing cell detection by preferentially using a scramble

code stored in the memory means exhibiting a long stay time in the past.

25-35. (canceled).

36. (previously presented): A recording medium recording a program for a control

method for cell detection in mobile communication terminal equipment for a CDMA cellular

phone system, the program comprising:

a detection step of performing cell detection by detecting scramble codes of a visiting cell

and a neighboring cell;

a storage step of storing the detected scramble codes of the visiting cell and neighboring

cell in a memory means, upon assigning priorities to the detected scramble codes in the detection

step, in response to user operation; and

the measurement step of measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means in descending order of priority, and

the detection step comprises performing cell detection by using a scramble code

other than the scramble codes stored in the memory means when cell detection cannot be

performed by using the scramble codes stored in the memory means.

37. (currently amended): A medium according to any one of claims 36, 62, and 63,

wherein the detection step comprises performing cell detection by preferentially using a scramble

code stored in the memory means exhibiting a high detection frequency in the past.

38. (currently amended): A medium according to any one of claims 36, 62, and 63,

wherein the detection step comprises performing cell detection by preferentially using a scramble

code stored in the memory means exhibiting a long stay time in the past.

39-47. (canceled).

48. (currently amended): A method according to any one of claims 22 60, and 61,

wherein the detection step comprises the step of specifying a scramble code group at the time of

detection of the scramble code, and the step of performing cell detection in accordance with a

priority of a scramble code stored in the memory means which belongs to the specified scramble

code group and is stored in the memory means.

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49-52. (canceled).

53. (currently amended): A medium according to any one of claims 36, 62, and 63, wherein the detection step comprises the step of specifying a scramble code group at the time of detection of the scramble code, and the step of performing cell detection in accordance with a priority of a scramble code <u>stored in the memory means</u> which belongs to the specified scramble code group and is stored in the memory means.

54-57. (canceled).

58. (previously presented): Mobile communication terminal equipment for a CDMA cellular phone system, comprising:

detection means for performing cell detection by detecting scramble codes of a visiting cell and neighboring cell;

memory means for storing a scramble code;

control means for automatically storing the scramble codes of the visiting cell and neighboring cell, detected by said detection means, into said memory means, upon assigning priorities thereto in the detection means, in accordance with the detection frequencies of the scramble codes; and

measurement means for measuring detection frequencies of the scramble codes and intra-cell stay times;

wherein

said control means controls said detection means so as to perform cell detection

by preferentially using the scramble codes stored in said memory means in the

descending order of priority, and

said control means controls the detection means so as to perform cell detection by

using a scramble code other than the scramble codes stored in said memory means when

cell detection cannot be performed by using the scramble codes stored in said memory

means.

59. (previously presented): Mobile communication terminal equipment for a CDMA

cellular phone system, comprising:

detection means for performing cell detection by detecting scramble codes of a visiting

cell and neighboring cell;

memory means for storing a scramble code;

control means for automatically storing the scramble codes of the visiting cell and

neighboring cell, detected by said detection means, into said memory means, upon assigning

priorities thereto in the detection means; and

measurement means for measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein

said control means controls said detection means so as to perform cell detection

by preferentially using the scramble codes stored in said memory means in the

descending order of priority, and

said control means controls the detection means so as to perform cell detection by using a

scramble code other than the scramble codes stored in said memory means when cell detection

cannot be performed by using the scramble codes stored in said memory means.

60. (previously presented): A control method for cell detection in mobile

communication terminal equipment for a CDMA cellular phone system, comprising:

the detection step of performing cell detection by detecting scramble codes of a visiting

cell and neighboring cell;

the storage step of storing the detected scramble codes of the visiting cell and

neighboring cell in a memory means in accordance with the detection frequencies of the

scramble codes, upon assigning priorities thereto in the detection step; and

the measurement step of measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means, in the descending order of priorities, and

the detection step comprises performing cell detection by using a scramble code

other than the scramble codes stored in the memory means when cell detection cannot be

performed by using the scramble codes stored in the memory means.

61. (previously presented): A control method for cell detection in mobile

communication terminal equipment for a CDMA cellular phone system, comprising:

the detection step of performing cell detection by detecting scramble codes of a visiting

cell and neighboring cell;

the storage step of storing the detected scramble codes of the visiting cell and

neighboring cell in a memory means, upon assigning priorities thereto in the detection step; and

the measurement step of measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means, in the descending order of priorities, and

the detection step comprises performing cell detection by using a scramble code

other than the scramble codes stored in the memory means when cell detection cannot be

performed by using the scramble codes stored in the memory means.

62. (previously presented): A recording medium recording a program for a control method for cell detection in mobile communication terminal equipment for a CDMA cellular phone system, the program comprising:

the detection step of performing cell detection by detecting scramble codes of a visiting cell and neighboring cell;

the storage step of automatically storing the detected scramble codes of the visiting cell and neighboring cell in a memory means in accordance with the detection frequencies of the scramble codes, upon assigning priorities thereto in the detection step; and

the measurement step of measuring detection frequencies of the scramble codes and intra-cell stay times;

wherein

the detection step comprises performing cell detection by preferentially using the scramble codes stored in the memory means in the descending order of priority, and

the detection step comprises performing cell detection by using a scramble code other than the scramble codes stored in the memory means when cell detection cannot be performed using the scramble codes store in the memory means.

63. (previously presented): A recording medium recording a program for a control method for cell detection in mobile communication terminal equipment for a CDMA cellular phone system, the program comprising:

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the detection step of performing cell detection by detecting scramble codes of a visiting

cell and neighboring cell;

the storage step of automatically storing the detected scramble codes of the visiting cell

and neighboring cell in a memory means, upon assigning priorities thereto in the detection step;

and

the measurement step of measuring detection frequencies of the scramble codes and intra-

cell stay times;

wherein

the detection step comprises performing cell detection by preferentially using the

scramble codes stored in the memory means in the descending order of priority, and

the detection step comprises performing cell detection by using a scramble code other

than the scramble codes stored in the memory means when cell detection cannot be performed

using the scramble codes store in the memory means.

64. (cancelled)